Complete Solution for GE TRACERlab MX Module

Reagents Kits

RK-100
Synth-Ease™ Reagents Kit for GE TRACERlab MX Module

<table>
<thead>
<tr>
<th>No.</th>
<th>Content</th>
<th>Vial Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.1</td>
<td>Eluent solution</td>
<td>1.2 ml</td>
</tr>
<tr>
<td>1.1.2</td>
<td>Acetonitrile</td>
<td>8 ml</td>
</tr>
<tr>
<td>1.1.3*</td>
<td>Mannose Triflate</td>
<td>8 ml</td>
</tr>
<tr>
<td>1.1.4</td>
<td>Ethanol</td>
<td>8 ml</td>
</tr>
<tr>
<td>1.1.5</td>
<td>NaOH solution, 2.0M±1%</td>
<td>3 ml Syringe</td>
</tr>
<tr>
<td>1.1.6</td>
<td>Buffer solution</td>
<td>8 ml</td>
</tr>
</tbody>
</table>

*Mannose Triflate is cold-packed separately.

Ancillaries

AS-100
Ancillaries Set for GE TRACERlab MX Module

- 1x Millex-FG, 0.2 µm filter unit
- 1x Millex-GS, 0.22 µm, 25 mm with vented inlet
- 1x Millex-FG, 0.20 µm, 25 mm with needle outlet
- 1x Sep Pak Light Accell Plus QMA cartridge 37-55µm
- 2x 30ml Sterile Syringe, single use
- 1x 25ml Sterile Vacuum Vial, for injectable solution
- 1x 10 ml Sterile Reservoir
- 1x Sterile Needle

Options:
- Pre-condition QMA cartridge
- 250ml Sterile water pack for injection
- 500ml Sterile water pack for injection

KT-110
Cassette for GE TRACERlab MX Module
Complete Solution for GE TRACERlab FX\textsubscript{FDG} / FX\textsubscript{F-N} Synthesis Module (Base Hydrolysis)

Reagents Kits

RK-101
Synth-Ease\textsuperscript{TM} Reagents Kit for GE TRACERlab FX\textsubscript{FDG} / FX\textsubscript{F-N} Module (Base Hydrolysis)

<table>
<thead>
<tr>
<th>No.</th>
<th>Content</th>
<th>Vial Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.1</td>
<td>Sodium Chloride Isotonic Solution</td>
<td>50ml</td>
</tr>
<tr>
<td>1.1.2</td>
<td>Ethanol</td>
<td>30ml</td>
</tr>
<tr>
<td>1.1.3</td>
<td>Acetone</td>
<td>30ml</td>
</tr>
<tr>
<td>1.1.4</td>
<td>Acetonitrile</td>
<td>2ml</td>
</tr>
<tr>
<td>1.1.5</td>
<td>Cryptand 222</td>
<td>2ml</td>
</tr>
<tr>
<td>1.1.6</td>
<td>K\textsubscript{2}CO\textsubscript{3}-Solution</td>
<td>2ml</td>
</tr>
<tr>
<td>1.1.7</td>
<td>Sodium Hydroxide 1 M</td>
<td>2.5ml</td>
</tr>
<tr>
<td>1.1.8</td>
<td>Sodium Chloride Solution 10%</td>
<td>2ml</td>
</tr>
<tr>
<td>1.1.9*</td>
<td>Mannose Triflate</td>
<td>2ml</td>
</tr>
</tbody>
</table>

*Mannose Triflate is cold-packed separately.

Ancillaries

AS-101
Ancillaries Set for GE TRACERlab FX\textsubscript{FDG} / FX\textsubscript{F-N} Module (Base Hydrolysis)

- 1x 0.22µm Filter Unit
- 1x 0.2µm Filter Unit
- 1x 0.2µm Hydrophobic Vent Filter Unit
- 1x 25mL Sterile Vacuum Vial, for injectable solution
- 1x FDG Purification Cartridge (Base Hydrolysis)
- 1x \(^{18}\text{F}\) Separation Cartridge PS-HCO\textsubscript{3}
Complete Solution for
GE TRACERlab $F_{FDG}/F_{F-N}$ Synthesis Module
(Acid Hydrolysis)

Reagents Kits

RK-102
Synth-Ease™ Reagents Kit for
GE TRACERlab $F_{FDG}/F_{F-N}$ Module (Acid Hydrolysis)

<table>
<thead>
<tr>
<th>No.</th>
<th>Content</th>
<th>Vial Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.1</td>
<td>Sodium Chloride Isotonic Solution</td>
<td>50ml</td>
</tr>
<tr>
<td>1.1.2</td>
<td>Ethanol</td>
<td>30ml</td>
</tr>
<tr>
<td>1.1.3</td>
<td>Acetone</td>
<td>30ml</td>
</tr>
<tr>
<td>1.1.4</td>
<td>Acetonitrile</td>
<td>2ml</td>
</tr>
<tr>
<td>1.1.5</td>
<td>Na$_2$HPO$_4$ Solution, 1M</td>
<td>2ml</td>
</tr>
<tr>
<td>1.1.6</td>
<td>TBAHCO$_3$ Solution, 0.075M</td>
<td>2ml</td>
</tr>
<tr>
<td>1.1.7</td>
<td>Hydrochloric Acid, 1M</td>
<td>2ml</td>
</tr>
<tr>
<td>1.1.8</td>
<td>Sodium Chloride Solution, 10%</td>
<td>2ml</td>
</tr>
<tr>
<td>1.1.9*</td>
<td>Mannose Triflate</td>
<td>2ml</td>
</tr>
</tbody>
</table>

*Mannose Triflate is cold-packed separately.

Ancillaries

AS-102
Ancillaries Set for
GE TRACERlab $F_{FDG}/F_{F-N}$ Module (Acid Hydrolysis)

- 1x 0.22µm Filter Unit
- 1x 0.2µm Filter Unit
- 1x 0.2µm Hydrophobic Vent Filter Unit
- 1x 25mL Sterile Vacuum Vial, for injectable solution
- 1x FDG Purification Cartridge (Acid Hydrolysis)
- 1x $^{18}$F Separation Cartridge PS-HCO$_3$
Complete Solution for IBA FDG Synthesis Module (Chemical Grade)

Reagents Kits

RK-200C
Synth-Ease™ Reagents Kit for IBA FDG Synthesis Module (Chemical Grade)

<table>
<thead>
<tr>
<th>No.</th>
<th>Content</th>
<th>Vial Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.1</td>
<td>Cryptand Solution</td>
<td>1.5 ml</td>
</tr>
<tr>
<td>1.1.2</td>
<td>Sodium Hydroxide</td>
<td>1.0 ml</td>
</tr>
<tr>
<td>1.1.3</td>
<td>Sterile Water for Injection</td>
<td>10 ml</td>
</tr>
<tr>
<td>1.1.4</td>
<td>Acetonitrile</td>
<td>4.5 ml</td>
</tr>
<tr>
<td>MT-99-0020B</td>
<td>Mannose Triflate</td>
<td>4.5 ml</td>
</tr>
</tbody>
</table>

*Mannose Triflate is cold-packed separately.

Ancillaries

AS-200C
Ancillaries Set for IBA FDG Synthesis Module (Chemical Grade)

- 1x Alumina B Plus Cartridge
- 1x C18 Plus Cartridge
- 1x Light Accell Plus QMA
- 1x SCX cartridge
- 1x Membrane Vented Sterilizing Filter, 25mm, 0.22um, sterile
- 1x Membrane Sterilizing Filter, 4mm, 0.22um, sterile
- 1x Empty Sterile Serum Vial, 30 ml, Ph.Eur. borosilicate glass, Type I
- 2x Sterile needle, 0.7mmx32mm
- 1x 25 ml ± 1 ml Water in 30 ml syringe
- 1x 10.0 ml of Ethanol in 10 ml syringe
- 1x 5.0 ml of 8.4% w/v solution of NaHCO₃ in Water in 10 ml syringe
- 1x Syringe for taking acetonitrile out of vial #5, 2.0 ml
- 1x Needle for taking acetonitrile out of vial #5, 0.5mmx38mm

SYNC
IFP™ nucleophilic-Chemical Grade
Complete Solution for IBA FDG Synthesis Module (Pharmaceutical Grade)

**Reagents Kits**

**RK-200P**
Synth-Ease™ Reagents Kit for IBA FDG Synthesis Module (Pharmaceutical Grade)

**RK-210**

<table>
<thead>
<tr>
<th>No.</th>
<th>Content</th>
<th>Vial Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.1</td>
<td>Cryptand Solution</td>
<td>1.5 ml</td>
</tr>
<tr>
<td>1.1.2</td>
<td>Sodium Hydroxide</td>
<td>1.0 ml</td>
</tr>
<tr>
<td>1.1.3</td>
<td>Sterile Water for Injection</td>
<td>10 ml</td>
</tr>
<tr>
<td>1.1.4</td>
<td>Acetonitrile</td>
<td>4.5 ml</td>
</tr>
<tr>
<td>MT-99-0020B</td>
<td>Mannose Triflate</td>
<td>4.5 ml</td>
</tr>
</tbody>
</table>

*Mannose Triflate is cold-packed separately.*

**Ancillaries**

**AS-200P**
Ancillaries Set for IBA FDG Synthesis Module (Pharmaceutical Grade)

- 1x Alumina B Plus Cartridge
- 1x C18 Plus Cartridge
- 1x Light Accell Plus QMA
- 1x SCX cartridge
- 1x Membrane Vented Sterilizing Filter, 25 mm, 0.22 μm, sterile
- 1x Membrane Sterilizing Filter, 4 mm, 0.22 μm, sterile
- 1x Empty Sterile Serum Vial, 30 ml, Ph.Eur. borosilicate glass, Type I
- 2x Sterile needle, 0.7 mm × 32 mm
- 1x 25 ml ± 1 ml Water in 30 ml syringe
- 1x 10.0 ml of Ethanol in 10 ml syringe
- 1x 5.0 ml of 8.4% w/v solution of NaHCO₃ in Water in 10 ml syringe
- 1x Syringe for taking acetonitrile out of vial #5, 2.0 ml
- 1x Needle for taking acetonitrile out of vial #5, 0.5 mm × 38 mm

**SYNP**
IFP™ nucleophilic-Pharmaceutical Grade
Complete Solution for IBA NaF Synthesis Module (Pharmaceutical Grade)

Reagents Kits

RK-201
Synth-Ease™ Reagents Kit for IBA NaF Synthesis Module

<table>
<thead>
<tr>
<th>No.</th>
<th>Content</th>
<th>Vial Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.1</td>
<td>Sodium Chloride Isotonic Solution</td>
<td>4.5 ml</td>
</tr>
<tr>
<td>1.1.2</td>
<td>Sterile Water for Injection</td>
<td>10 ml</td>
</tr>
</tbody>
</table>

Ancillaries

AS-201
Ancillaries Set for IBA NaF Synthesis Module

- 1x Light Accell Plus QMA Alumina B Plus Cartridge
- 1x Membrane Vented Sterilizing Filter, 25mm, 0.22um, sterile
- 1x Membrane Sterilizing Filter, 4mm, 0.22um, sterile
- 1x Empty Sterile Serum Vial, 30 ml, borosilicate glass, Type I
- 2x Sterile needle, 0.7mmx32mm
- 1x 5 ±0.5 ml Water for Injection in 10 ml disposable syringe

SYCP
IFPTM Chromatographic (for NaF) Pharmaceutical Grade
Complete Solution for IBA FLT Synthesis Module (Pharmaceutical Grade)

Reagents Kits

RK-212
Synth-Ease™ Reagents Kit for IBA FLT Synthesis Module - without Precursor (Pharmaceutical Grade)

<table>
<thead>
<tr>
<th>No.</th>
<th>Content</th>
<th>Vial Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.1</td>
<td>Cryptand Solution</td>
<td>1.5 ml</td>
</tr>
<tr>
<td>1.1.2</td>
<td>Hydrochloric Acid, 1M</td>
<td>1.5 ml</td>
</tr>
<tr>
<td>1.1.3</td>
<td>Sterile Water for Injection</td>
<td>10 ml</td>
</tr>
<tr>
<td>1.1.4</td>
<td>Acetonitrile</td>
<td>4.5 ml</td>
</tr>
</tbody>
</table>

Ancillaries

AS-202
Ancillaries Set for IBA FLT Synthesis Module

- 1x Light Accell Plus QMA
- 1x Alumina N Light Cartridge
- 1x Syringe filter: GD/X™ syringe filter
- 1x Membrane Sterilizing Filter, 25 mm, 0.22 μm, vented
- 1x Membrane Sterilizing Filter, 4 mm, 0.22 μm
- 2x Sterile needle, 0.7mmx32mm
- 1x 10 ml ± 0.5ml Water for Injection in 10 ml syringe
- 1x 5.0 ml ± 0.5ml 8.4% solution NaHCO₃ in water for Inj., USP in 10 ml syringe
- 1x Empty Sterile Serum Vial, 30 ml, borosilicate glass, Type I
- 1x 3ml Sterile Syringe
- 1x Sterile Needle, 0.5mmx38mm

SYNC/ SYNP
IFP™ nucleophilic
Chemical Grade / Pharmaceutical Grade
Complete Solution for IBA F-Choline Synthesis Module (Pharmaceutical Grade)

Reagents Kits

RK-203
Synth-Ease™ Reagents Kit for IBA F-Choline Synthesis Module (Pharmaceutical Grade)

<table>
<thead>
<tr>
<th>No.</th>
<th>Content</th>
<th>Vial Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.1</td>
<td>Cryptand Solution</td>
<td>1.5 ml</td>
</tr>
<tr>
<td>1.1.2</td>
<td>Dibromomethane</td>
<td>4.5 ml</td>
</tr>
<tr>
<td>1.1.3</td>
<td>Acetonitrile</td>
<td>4.5 ml</td>
</tr>
<tr>
<td>1.1.4</td>
<td>Dimethylaminoethanol</td>
<td>1.5 ml</td>
</tr>
<tr>
<td>1.1.5</td>
<td>Sodium Chloride Isotonic Solution</td>
<td>4.0 ml</td>
</tr>
<tr>
<td>1.1.6</td>
<td>Ethanol</td>
<td>10 ml</td>
</tr>
<tr>
<td>1.1.7</td>
<td>Sterile water for injection</td>
<td>10 ml</td>
</tr>
</tbody>
</table>

Ancillaries

AS-203
Ancillaries Set for IBA F-Choline Synthesis Module

- 1x Light Accell Plus QMA
- 3x Plus Silica cartridge
- 1x HLB Plus Sep-Pak Cartridge
- 2x 3ml Syringe for Acetonitrile and DMAE
- 2x Sterile needle, 0.9mmx38mm
- 1x Plus Accell Plus CM Cartridge
- 1x Membrane Sterilizing Filter, 25 mm, 0.22 µm
- 1x Membrane Sterilizing Filter, 4 mm, 0.22 µm
- 1x Empty Sterile Serum Vial, 30 ml, borosilicate glass, Type I
- 1x Sterile needle, 0.5mmx38mm
- 1x 15 ± 1 ml Water for injection in 30 ml disposable syringe
- 1x 10 ± 1 ml of HCl 1M in 20 ml disposable syringe
- 1x 5.0 ± 0.5 ml of 8.4% solution of NaHCO₃ in WFI, in 10 ml syringe

SYDP
IFP™ Distillation

SYAP
IFP™ Alkylation
Complete Solution for Siemens Explora™ FDG₄ Module

Reagents Kits

RK-500
Synth-Ease™ Reagents Kit for Siemens Explora™ FDG₄ Module

<table>
<thead>
<tr>
<th>No.</th>
<th>Content</th>
<th>Vial Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.1</td>
<td>Sterile Water for Injection</td>
<td>100 ml</td>
</tr>
<tr>
<td>1.1.2</td>
<td>Acetonitrile</td>
<td>100 ml</td>
</tr>
<tr>
<td>1.1.3</td>
<td>Mannose Triflate</td>
<td>30 ml</td>
</tr>
<tr>
<td>1.1.4</td>
<td>Eluent solution</td>
<td>30 ml</td>
</tr>
<tr>
<td>1.1.5</td>
<td>Hydrochloric acid, 1.0N±1%</td>
<td>30 ml</td>
</tr>
</tbody>
</table>

*Mannose Triflate is cold-packed separately.

Ancillaries

AS-500
Ancillaries Set for Siemens Explora™ FDG₄ Module

- 4x Millex-GV, 0.22 µm, PVDF, 4 mm, ethylene oxide sterilized
- 4x Millex-GS, 0.22 µm, mixed cellulose esters, 25 mm with vented inlet, ethylene oxide sterilized
- 4x IV Extension Set 72” x 4
- 4x Reaction vessel 16mm x 100mm
- 5x Reagent Vial / Product Vial - 30ml Sterile nonpyrogenic
- 5x Check Valve
- 5x Vial Spike
- 5x Three-way Stopcock
- 4x Sep-Pak Light, Accell plus QMA
- 4x Purification Columns Set
Complete Solution for Trasis Mini AIO Module

Reagents Kits

RK-811
Synth-Ease™ Reagents Kit for Trasis Mini AIO Module

<table>
<thead>
<tr>
<th>No.</th>
<th>Content</th>
<th>Vial Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.1</td>
<td>Acetonitrile</td>
<td>8 ml</td>
</tr>
<tr>
<td>1.1.2</td>
<td>Buffer solution</td>
<td>20 ml</td>
</tr>
<tr>
<td>1.1.3</td>
<td>NaOH solution, 2.0 M±1%</td>
<td>3 ml Syringe</td>
</tr>
<tr>
<td>1.1.4</td>
<td>Eluent solution</td>
<td>1.2 ml</td>
</tr>
</tbody>
</table>

Ancillaries

KT-811
Cassette for Trasis Mini AIO Module