

Behnk Reagents Simple. Stable. Reliable.



The Behnk reagents are characterized by simplicity and high quality with long stability time. As complete solution in combination with Behnk devices and validated applications we guarantee reliable high quality coagulation results in precision and correctness.

Prothrombin Time (PT)

PT reagent Thromboplastin from rabbit brain origin with a low or high ISI intended for in vitro determination of Prothrombin time according to Quick in citrated human plasma.

BE PT LI Thromboplastin low ISI

- Lyophilized Thromboplastin from rabbit origin
- Reconstitution diluent enclosed in the kit
- Ready to use right after reconstitution
- Low ISI: 1.1 to 1.3
- No interferences with: Triglycerides <731 mg/dL, Bilirubin <228 µmol/L, Hemoglobin <240 µmol/L, Low molecular weight Heparin <0.114 IU, Unfractionated Heparin <0.038 IU

Stability (reconstituted): 5 days at 2 - 8 °C

OBS

72 h at 16 - 18 °C

6 h at 37 °C

Box sizes:

REF 771100: RE 5 x 5 ml; DIL 2 x 15 ml

REF 771101: RE 8 x 12 ml; DIL 8 x 12 ml



BE PT HI Thromboplastin high ISI

- Lyophilized Thromboplastin from rabbit origin
- Reconstitution diluent enclosed in the kit
- Ready to use right after reconstitution
- Low ISI: 1.5 to 1.7
- No interferences with: Triglycerides <774 mg/dL, Bilirubin <162 µmol/L, Hemoglobin <258 µmol/L, Low molecular weight Heparin <0.114 IU

Stability (reconstituted): 5 days at 2 - 8 °C

OBS

24 h at 16 - 18 °C

6 h at 37 °C

Box sizes:

REF 771150: RE 5 x 5 ml; DIL 2 x 15 ml

REF 771151: RE 8 x 12 ml; DIL 8 x 12 ml





Activated Partial Thromboplastin Time (APTT)

APTT reagent containing phospholipids Cephalin from rabbit brain origin and contact activator Kaolin or Silica intended for in vitro determination of activated partial thromboplastin time in citrated human plasma.

BE APTT K APTT Kaolin + CaCl₂

- Lyophilized Cephalin (rabbit cerebral tissues) and activator Kaolin
- Calcium chloride solution enclosed in the kit
- Ready to use right after reconstitution
- The use of Kaolin minimizes the reading time and optimizes the optical detection.
- Insensitive to lupus anticoagulant
- No interferences with: Triglycerides <731 mg/dL, Bilirubin <133 µmol/L, Hemoglobin <261 µmol/L

Stability (reconstituted): 21 days at 2 - 8 °C

OBS

240 h at 16 - 18 °C

Box sizes:

REF 771200: AC 5 x 3 ml; CC 2 x 10 ml

REF 771201: AC 8 x 10 ml; DIL 8 x 10 ml



BE APTT SL APTT Silica + CaCl₂

- Lyophilized Cephalin (rabbit cerebral tissues) and activator Silica
- Calcium chloride solution enclosed in the kit
- Ready to use right after reconstitution
- Insensitive to lupus anticoagulant
- No interferences with: Triglycerides <731 mg/dL, Bilirubin <124 µmol/L, Hemoglobin <261 µmol/L

Stability (reconstituted): 30 days at 2 - 8 °C

OBS

144 h at 16 - 18 °C

Box sizes:

REF 771250: AC 5 x 3 ml; CC 2 x 10 ml

REF 771251: AC 8 x 10 ml; DIL 8 x 10 ml

Fibrinogen

Fibrinogen reagent Thrombin of animal origin and Kaolin intended for in vitro determination of Fibrinogen according to Clauss in citrated human plasma.

BE FIB Thrombin Kaolin + Buffer

- Lyophilized Thrombin of animal origin
- Dilution buffer enclosed in the kit
- Ready to use right after reconstitution
- The ingredient Kaolin optimizes the optical detection.
- Linearity Range: 100 to 871 mg/dL
- No interferences with: Triglycerides <731 mg/dL, Bilirubin <496 $\mu\text{mol/L}$, Hemoglobin <261 $\mu\text{mol/L}$, Low molecular weight Heparin <2.00 IU, Unfractionated Heparin <1.66 IU

Stability (reconstituted): 7 days at 2 - 8 °C

OBS

24 h at 16 - 18 °C

Box sizes:

REF 771300: RE 5 x 2 ml; BU 2 x 15 ml

REF 771301: RE 10 x 5 ml; BU 8 x 15 ml



Thrombin Time (TT)

Thrombin reagent from bovine origin intended for in vitro determination of Thrombin time in citrated human plasma.

BE TT Thrombin Time

- Lyophilized Thromboplastin from bovine origin
- No interferences with: Triglycerides <900 mg/dL, Bilirubin <43 $\mu\text{mol/L}$, Hemoglobin <246 $\mu\text{mol/L}$

Stability (reconstituted): 7 days at 2 - 8 °C

OBS

48 h at 15 - 25 °C

Box sizes:

REF 771400: RE 12 x 2 ml



D-Dimer

D-Dimer reagent is a latex based immunoassay intended for quantitative in vitro determination of D-Dimer in citrated human plasma.

BE DDimer Turbidimetric Immunoassay

- Ready to use latex reagent containing polystyrene particles coated with monoclonal antibodies
- Blocking agent against RF and HAMA
- Dilution buffer and Calibrator enclosed in the kit
- Wavelengths 400 - 800 nm
- Measuring range 100 - 3200 ng/mL
- Cut-off 150 ng/mL
- Test with a sensitivity of 95 %, a specificity of 64 % and a negative predictive value (NPV) of 98 %
- No interferences with: Lipids <200 mg/dL, Bilirubin <855 µmol/L,
Low molecular weight Heparin <100 U/mL, Unfractionated Heparin <100 U/mL

Stability (reconstituted):

4 weeks at 2 - 8 °C

2 weeks at 20 - 25 °C

OBS

120 h at 16 - 18 °C

Box sizes:

REF 771500: BU 3 x 7 ml; AC 3 x 4 ml; CAL 2 x 1 ml; DIL 2 x 7 ml



Coagulation Factor Assays

Deficient plasma from human origin intended for in vitro determination of Factor II, V, VII, X and Factor VIII, IX, XI, XII activity in citrated human plasma.

- Lyophilized plasma from human origin free of the specific factor by selective immune adsorption
- Additional needed diluent BE Owren Buffer
- PT Factors (Factor II, V, VII, X) no interferences with: Triglycerides <450 mg/dL, Bilirubin <228 µmol/L, Hemoglobin <258 µmol/L, Low molecular weight Heparin <0.114 IU, Unfractionated Heparin <0.038 IU
- APTT Factors (Factor VIII, IX, XI, XII) no interferences with: Triglycerides <731 mg/dL, Bilirubin <124 µmol/L, Hemoglobin <261 µmol/L

Stability (reconstituted):

OBS

10 h at 2 - 25 °C

BE Factor II Deficient plasma

REF 771602: 6 x 1 ml

BE Factor IX Deficient plasma

REF 771609: 6 x 1 ml

BE Factor V Deficient plasma

REF 771605: 6 x 1 ml

BE Factor X Deficient plasma

REF 771610: 6 x 1 ml

BE Factor VII Deficient plasma

REF 771607: 6 x 1 ml

BE Factor XI Deficient plasma

REF 771611: 6 x 1 ml

BE Factor VIII Deficient plasma

REF 771608: 6 x 1 ml

BE Factor XII Deficient plasma

REF 771612: 6 x 1 ml





Calibrators

Calibration plasma from human origin for quantitative in vitro determination of Coagulation tests in citrated human plasma.

BE Cal Set Calibration Plasma PT

- Lyophilized citrated plasma from human origin
- Three different levels of calibration plasma for Prothrombin Time (% , INR)
- BE Cal Set values are traceable to WHO INTERNATIONAL STANDARD THROMBOPLASTIN, RABBIT, PLAIN (RBT) from NIBSC

Stability (reconstituted): 3 h at RT

Box sizes:

REF 775200: CAL1 4 x 0.5 ml; CAL2 4 x 0.5 mL; CAL3 4 x 0.5 ml



BE Cal Ref Reference Plasma

- Lyophilized citrated plasma from human origin
- Calibration plasma for Fibrinogen and Coagulation Factors
- BE Cal Ref values are determined against its secondary standards of the corresponding primary International Standard for relevant parameters: SSC/ISTH Secondary Coagulation Standard NIBSC code: SSCLOT4

Stability (reconstituted): 3 h at 2 - 8 °C

Box sizes:

REF 775100: CAL 6 x 1 ml



Controls

Control plasma from human origin for quality control of in vitro coagulation tests in citrated human plasma.

BE Trol 1 Plasma Level 1

- Lyophilized citrated plasma from human origin
- Control plasma for Prothrombin Time (PT %, INR, sec.), Activated Partial Thromboplastin Time (APTT sec.), Fibrinogen (mg/dL, Thrombin Time, Factor II (%), Factor V (%), Factor VII (%), Factor VIII (%), Factor IX (%), Factor X (%), Factor XI (%) and Factor XII (%)

Stability (reconstituted):

10 h at 2 - 8 °C

Box sizes:

REF 773100: CON 6 x 1 ml



BE Trol 2 Plasma Level 2

- Lyophilized citrated plasma from human origin
- Control plasma for Prothrombin Time (PT %, INR, sec.), Activated Partial Thromboplastin Time (APTT sec.), Fibrinogen (mg/dL), Factor II (%), Factor V (%), Factor VII (%), Factor VIII (%), Factor IX (%), Factor X (%), Factor XI (%) and Factor XII (%)

Stability (reconstituted):

10 h at 2 - 8 °C

Box sizes:

REF 773101: CON 6 x 1 ml





BE DDTrol 1 DDimer Plasma low

- Lyophilized plasma from human origin enriched with D-Dimer
- Control plasma for immunoturbidimetric determination of D-Dimer (ng/mL DDU)

Stability (reconstituted):

12 h at 20 - 25 °C

7 days at 2 - 8 °C

6 months at -20 °C

Box sizes:

REF 773200: CON 6 x 1 ml

BE DDTrol 2 DDimer Plasma high

- Lyophilized plasma from human origin enriched with D-Dimer
- Control plasma for immunoturbidimetric determination of D-Dimer (ng/mL DDU)

Stability (reconstituted):

12 h at 20 - 25 °C

7 days at 2 - 8 °C

6 months at -20 °C

Box sizes:

REF 773201: CON 6 x 1 ml

Cleaning Solution

Cleaning solution intended for cleaning the needle on Behnk Thrombolyzer systems in order to avoid cross contaminations.

BE Clean Cleaning solution

- Ready to use reagent suitable for all Thrombolyzer systems
- Storage at 2-25 °C

Stability (once opened):

OBS

6 days at 16 - 18 °C

Box sizes:

REF 771800: CL 16 x 15 ml





Buffers

Plasma dilution buffer intended for diluting plasma, calibrator and controls during the in vitro determination of coagulation tests.

BE FIB Buffer Fibrinogen Buffer

- Dilution buffer for determination of Fibrinogen on semi-automated systems (plasma dilutions with 450 µl buffer on Thrombostat or 950 µl buffer on Thrombotimer)
- Same buffer as enclosed in the BE FIB kit

Stability (once opened):

OBS

6 days at 16 - 18 °C

Box sizes:

REF 771350: BU 16 x 15 ml

BE Owren Buffer Owren Koller Buffer

- Dilution buffer for determination of Factor II, Factor V, Factor VII, Factor VIII, Factor IX, Factor X, Factor XI and Factor XII

Stability (once opened):

OBS

6 days at 16 - 18 °C

Box sizes:

REF 771700: BU 16 x 15 ml



For further information please feel free to contact us
Phone: +49 (0) 40 - 529861-0
Fax: +49 (0) 40 - 52 98 61-99
info@behnk.de
behnk.de

Kommanditgesellschaft
Behnk Elektronik GmbH & Co.
Hans-Böckler-Ring 27
22851 Norderstedt
Germany