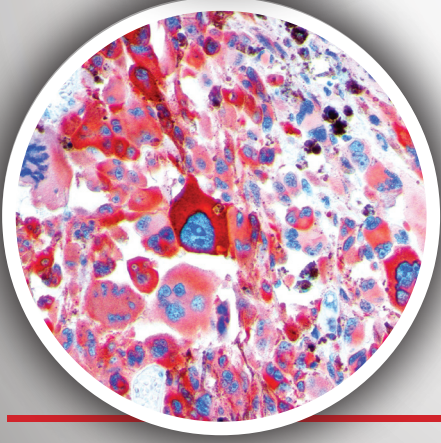
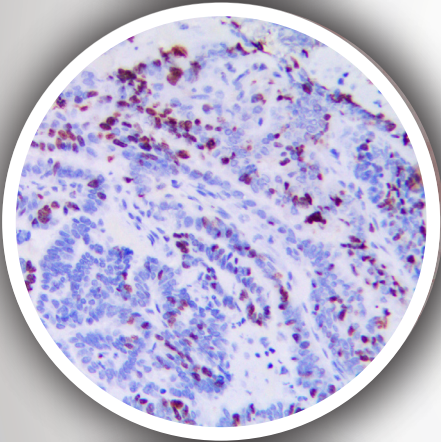
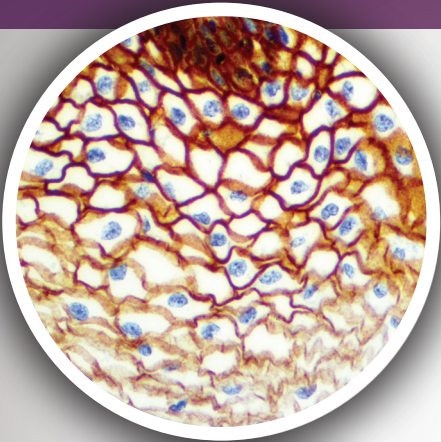


TINTOSTAINER PLUS BIOSB AUTOMATED IHC STAINER

Affordable | Efficient | Reliable



Fully Automated System for Anatomical Pathology

BIO SB TintoStainer Plus Automated IHC Stainer

- Fully automated immunohistochemical system. Completes the whole process from deparaffinization through counterstain, improving work efficiency in the laboratory.
- Unique monomeric anti-mouse and anti-rabbit Fab and enzymes conjugated to a micropolymer allow for easier tissue penetration, increasing sensitivity and reproducibility.
- The Bio SB antibody portfolio has been optimized with a concise set of immunohistochemistry and epitope retrieval protocols, offering efficient testing and high throughput of paraffin-embedded tissues.

High Efficiency Procedure

- Three independent slide trays with up to 10 slides for a total capacity of 30 slides.
- Walkaway fully automated staining from deparaffinization through counterstaining.
- Barcode identification of slides and reagents.
- Each slide is thermally monitored for precise temperature control.
- Large IVD portfolio: 600+ IHC antibodies and two different color detection systems available.
- Full service professional support network.



Patented Technology

- Sweeping Cap Gap Reagent Motion technology results in better sensitivity, reproducibility and homogenous signals.
- High quality and consistent results with minimal reagent use.

Sensitive Detection System

- Unique monomeric anti-mouse and anti-rabbit Fab and micropolymer conjugated to enzymes allow for easier tissue penetration which increase sensitivity and reproducibility.
- Universal IHC micropolymer detection systems with accurate and reliable detection suitable for all antibodies.

High Performance

- Optimized retrieval and staining procedures for over 300 antibodies.
- Real-time operation status monitoring of instruments and slides.
- Teflon coated titanium allows needle to avoid cross contamination.

Easy to operate user interface.

Low Reagent Consumption

- Low reagent consumption makes tests more cost-effective.



Antibody (Clone) Name
A-1-Antichymotrypsin (Polyclonal), RPab
ACE2 (BSB-135), MMab
ACTH (BSB-25), MMab
Actin Muscle Specific (HHF35), MMab
Actin Smooth Muscle (BSB-15), MMab
Adipophilin/ADRP (BSB-91), MMab
ALK-1/CD246 (RBT-ALK1), RMab
Alpha Synuclein (BSB-114), MMab
Alpha-Fetoprotein (BSB-23), MMab
Amyloid A (EP335), RMab
Amyloid Beta (RBT-A4), RMab
Androgen Receptor (BSB-4), MMab
Annexin A1 (BSB-95), MMab
APOE4 (BSB-170), MMab
Arginase-1 (EP261), RMab
ARID1A (EP303), RMab
ATM (EP327), RMab
bcl-2 (BSB-5), MMab
bcl-2 (EP36), RMab
bcl-6 (EP278), RMab
bcl-6 (RBT-bcl6), RMab
Beta-Catenin (14), MMab
Beta-Catenin (RM276), RMab
BOB.1 (RBT BOB.1), RMab
Brachyury (RBT-TBXT), RMab
BRG-1/SMARCA4 (BSB-154), MMab
c-Met/HGFR (EP1454Y), RMab
*c-Myc (RBT-CMYC), RMab
C4d (EP272), RMab

Antibody (Clone) Name
*CA-125 (OC125), MMab
CA15-3 (DF3), MMab
CA19-9 (121SLE), MMab
Cadherin17/LI-Cadherin (EP86), RMab
Calcitonin (Polyclonal), RPab
Caldesmon (BSB-19), MMab
Calponin (BSB-20), MMab
Calretinin (RM324), RMab
Carbonic Anhydrase 9 (EP161), RMab
CD10 (RBT-CD10), RMab
CD105/Endoglin (EP274), RMab
CD117 (EP10), RMab
CD117 (RM359), RMab
CD11b (EP45), RMab
CD11c (EP157), RMab
CD123 IL-3Ra (BSB-59), MMab
CD13 (38C12), MMab
CD138 (B-A38), MMab
CD138 (RBT-CD138), RMab
*CD14 (7), MMab
*CD14 (EP128), RMab
CD147 (BSB-137), MMab
CD15 (BSB-119), MMab
CD16 (EP364), RMab
CD163 (10D6), MMab
CD1a (EP80), RMab
*CD2 (AB75), MMab
CD20 (L26), MMab
CD21 (EP64), RMab

Antibody (Clone) Name
CD23 (1B12), MMab
CD23 (EP75), RMab
CD25 (4C9), MMab
CD25 (RBT-CD25), RMab
CD3 (RBT-CD3), RMab
CD3 Epsilon (RBT-CD3e), RMab
CD30 (Ber-H2), MMab
CD33 (RBT-CD33), RMab
CD34 (EP88), RMab
CD34 (QBEnd/10), MMab
*CD35 (EP197), RMab
CD35 (RLB25), MMab
CD38 (SPC32), MMab
CD4 (BSB-179), MMab
CD4 (RBT-CD4), RMab
CD41/ Integrin alpha IIb (EP178), RMab
CD42b (EP409), RMab
CD43 (MT1), MMab
CD44 (BSB-12), MMab
CD45 (2B11 & PD7/26), MMab
CD45R (MB1), MMab
CD45RA (4KB5), MMab
CD45RO (UCHL-1), MMab
CD5 (RM314), RMab
*CD56 (123C3.D5), MMab
CD6 (BSB-54), MMab
*CD61 (2f2), MMab
CD61 (EP65), RMab
CD63 (NK1/C3), MMab

Antibody (Clone) Name
*CD68 (BSB-8), MMab
CD68 (KP-1), MMab
CD7 (LP15), MMab
CD71 (10F11), MMab
CD73 / NT5E (RM431), RMab
CD74 (LN2), MMab
CD79a (JCBI17), MMab
CD8 (C8/144B), MMab
CD99 (BSB-9), MMab
CEA (BSB-13), MMab
CEA (Polyclonal), RPab
Chromogranin A (LK2H10), MMab
CITED1 (BSB-177), RMab
Claudin-1 (Polyclonal), RPab
Claudin-4 (EP417), RMab
Claudin-5 (EP224), RMab
Claudin-7 (EP399), RMab
Clusterin/Apolipoprotein J (RM437), RMab
Cyclin D1 (RBT-14), RMab
*Cyclin D1 (RM241), RMab
Cytokeratin 14 (LL002), MMab
Cytokeratin 18 (EP30), RMab
Cytokeratin 19 (RM364), RMab
Cytokeratin 20 (Ks20.8), MMab
Cytokeratin 35BH11 (35BetaH11), MMab
Cytokeratin 4 (EP4), RMab
Cytokeratin 5 & 6 (D5 & 16B4), MMab
Cytokeratin 5 & 6 (RM341), RMab
Cytokeratin 7 (OV-TL 12/30), MMab

Antibody (Clone) Name
Cytokeratin Cocktail AE1 & AE3 (AE1 & AE3), MMab
Cytokeratin HMW 34BE12 (34BetaE12), MMab
Cytokeratin LMW CAM5.2 (CAM5.2), MMab
Cytokeratin MNF116 (MNF116), MMab
Cytokeratin OSCAR (OSCAR), MMab
Desmin (D33), MMab
DOG1 (RBT-DOG1), RMab
E-Cadherin (EP6), RMab
EMA (E29), MMab
EpCAM/Epithelial Specific Antigen (Ber-EP4), MMab
ERG (EP111), RMab
Factor XIIIa (EP292), RMab
Fascin (BSB-36), MMab
Fumarate Hydratase/Fumarase (BSB-151), MMab
GATA3 (EP368), RMab
GATA3 (L50-823), MMab
GATA3 (L50-823), MMab
*GFAP (G-A-5), MMab
GH (BSB-99), MMab
Glucagon (BSB-111), MMab
GLUT-1 (RBT-GLUT1), RMab
Glutamine Synthetase (GS-6), MMab
Glypican-3 (1G12), MMab
*Granzyme B (EP230), RMab
Granzyme B (Polyclonal), RPab
HEG1 (SKM9-2), MMab
Histone H3 Phospho (EP233), RMab

Antibody (Clone) Name
hPL (Polyclonal), RPab
HSP70 (RM432), RMab
ICOS/CD278 (RM417), RMab
IgD (EP173), RMab
IgD (Polyclonal), RPab
IgG4 (BSB-96), MMab
Inhibin alpha (EP378), RMab
Inhibin Alpha (R1), MMab
INI-1 (25), MMab
INI-1 (RBT-INI1), RMab
INSM1 (BSB-123), MMab
INSM1 (RBT-INSM1), RMab
Ki-67 (RM360), RMab
Lambda (BSB-16), MMab
Langerin (12D6), MMab
*LEF-1 (EP310), RMab
LH (BSB-53), MMab
Lysozyme (Polyclonal), RPab
MAGEC2 (EP405), RMab
Mammaglobin (EP249), RMab
Mart-1/Melan-A (A103), MMab
Mart-1/Melan-A (M2-7C10), MMab
Melanoma Cocktail: HMB-45, MART-1 & Tyrosinase (HMB-45, A103 & BSB-6), MMab
Melanoma KBA.62 (KBA.62), MMab
Melanoma PNL2 (PNL2), MMab
Melanosome HMB45 (HMB-45), MMab
Mesothelial Cell (HBME-1), MMab
MitF (C5 & D5), MMab

Antibody (Clone) Name
*MLH1 (G168-728), MMab
*MLH1 (RBT-MLH1), RMab
*MSH2 (BSB-147), MMab
*MSH2 (RBT-MSH2), RMab
*MSH6 (44), MMab
*MSH6 (EP49), RMab
MTAP (RBT-MTAP), RMab
MUC1 (BSB-44), MMab
MUC1 (EP85), RMab
MUC4 (8G7), MMab
MUC4 (EP256), RMab
MUC6 (CLH5), MMab
MUM1 (EP190), RMab
Myelin Basic Protein (EP207), RMab
Myeloperoxidase (EP151), RMab
Myeloperoxidase (Polyclonal), RPab
Myeloperoxidase/MPO (BSB-180), MMab
MyoD1 (EP212), RMab
Myosin Smooth Muscle (BSB-17), MMab
Napsin A (EP205), RMab
Nestin (EP287), RMab
NeuN (A60), MMab
NGFR (BSB-18), MMab
NKX3.1 (EP356), RMab
*NKX3.1 (RM430), RMab
NRAS (RBT-NRAS), RMab
NSE (BSB-94), MMab
NUTM1 (RBT-NUTM1), RMab
OCT-2 (EP115), RMab

Antibody (Clone) Name
OCT-4 (RBT-OCT4), RMab
OLIG2 (EP112), RMab
OLIG2 (RBT-OLIG2), RMab
p16 (RBT-p16), RMab
p16 (RM267), RMab
p21 (DCS-60.2), MMab
p27 (SX53G8), MMab
p40 (ZR8), RMab
p53 (DO7), MMab
p57 (Kp10), MMab
p63 (4A4), MMab
p63 (EP174), RMab
PAX-5 (RBT-PAX5), RMab
PAX-8 (RM436), RMab
*PD-1/CD279 (NAT-105), MMab
PGP 9.5 (BSB-46), MMab
PHOX2B (EP312), RMab
PLAP (BSB-47), MMab
PLAP (EP194), RMab
*PMS2 (EP51), RMab
Podoplanin/D2-40 (D2-40), MMab
PRAME (RBT-PRAME), RMab
Prealbumin/Transthyretin (BSB-125), MMab
Prolactin (PRL02), MMab
PSA (BSB-7), MMab
PU.1 (EP18), RMab
Renal Cell Carcinoma (PN-15), MMab
S-100 (4C4.9), MMab
SI00P (EP186), RMab

Antibody (Clone) Name
S100P (RBT-S100P), RMab
SALL4 (6E3), MMab
SALL4 (EP299), RMab
SDHB (BSB-131), MMab
SMAD4/DPC4 (RBT-SMAD4), RMab
Somatostatin (BSB-113), MMab
SOX-10 (EP268), RMab
SS18-SSX (RBT-SS18-SSX), RMab
STAT6 (EP325), RMab
STAT6 (RM473), RMab
Synaptophysin (EP158), RMab
Synaptophysin (Polyclonal), RPab
TCL1 (EP105), RMab
TCR Alpha (BSB-126), MMab
TCR Beta (BSB-117), MMab
TCR Delta (BSB-127), MMab
TdT (RBT-TdT), RMab
TFE3 (EP285), RMab
Thyroid Peroxidase (EP159), RMab
TIA-1 (RBT-TIA1), RMab
TIA-1 (TIA-1), MMab
TLE1 (1F5), MMab
TLE1 (BSB-142), MMab
TLE1 (RBT-TLE1), RMab
TRAcP (9C5), MMab
Trop-2 (BSB-148), MMab
TRPS1 (EP392), RMab
Tryptase (G3), MMab
TSH (BSB-56), MMab
Tyrosinase (BSB-6), MMab

Antibody (Clone) Name
Vimentin (V9), MMab
WT1 (6F-H2), MMab
Zap-70 (2F3.2), MMab

Sweeping Cap Gap Reagent Motion allows for full-slide reagent coverage and consistent signal on a greater surface area of each slide. Full-slide coverage ensures patient tissues and controls can be placed on the same slide and undergo the same treatment, improving flexibility on tissue size and mounting.



Simple Data Management

- All runtime and protocol data are recorded for each slide
- Clear run reports generated with one click
- Able to interface with LIS for easy management of patient data

Minimal, Fast, Easy Maintenance

- Hazardous + non-hazardous waste separation
- Stainless steel components are easily cleaned after use
- Bulk reagents can be refilled while the instrument is running

BIO^{SB} TintoStainer Plus Automated IHC Stainer



Product Description	Catalog #
TintoStainer Plus Automated System	BSB-7400
TintoChamber (pack of 50)	BSB-7450
Tinto Mixing Station Kit	BSB-7453
TintoReagent Container 7 mL	BSB-7454
TintoReagent Container 30 mL	BSB-7457
TintoSlide Tray	BSB-7464
TintoReagent Rack	BSB-7465

Technical Specifications

Slide Capacity:

30 slides

Temperature Control:

Room temperature to 100 °C

Reagent Container Capacity:

7 mL and 30 mL

Number of Reagent Containers:

36

Bulk Reagent Container Capacity:

1.5 L

Hazardous Waste Container Capacity:

1.5 L

External Bulk Waste Container Capacity:

18 L

Operating Voltage:

100~240 V 50/60 Hz

Power Consumption:

1200 VA

Operation Temperature:

5 °C~35 °C

Operating Humidity:

10~80% RH

Weight:

200 kg

Dimensions (WxDxH):

750 x 800 x 1300 mm

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