FREQUENTLY ASKED QUESTIONS

VectaPlex™ Antibody Removal Kit (VRK-1000)

vector LABORATORIES

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Can other substrates be used with VectaPlex?

Perhaps. We have not tested substrates from other vendors but they may be compatible. To test this, simply stain two sections with the substrate in question and treat one of them with VectaPlex. If the staining intensity is unchanged, the substrate should be compatible with VectaPlex.

Can I use VectaPlex on frozen sections?

No. During development, VectaPlex was optimized for FFPE tissues, where the power to remove antibodies at room temperature was balanced with the need to preserve tissue morphology. On frozen tissues, VectaPlex treatment can lead to tissue damage and loss.

I am using TrueView to quench autofluorescence; will TrueVIEW be stripped by VectaPlex reagents?

We used TrueView in our VectaPlex IF workflow to suppress autofluorescence. Application of VectaPlex removes some, but not all, of the TrueView reagent. Since some TrueView remained after VectaPlex application, we did not add TrueView in every cycle, but only as needed to suppress autofluorescence.

I accidentally put my VectaPlex kit in the freezer. Can I still use it?

Yes. VectaPlex can withstand a freeze-thaw cycle and still performs as expected. However, the recommended storage temperature is at ambient (15-25 °C). Additionally, the kit will still perform properly if placed at 4 °C.

Is there a maximum number of times you can use VectaPlex on one section?

VectaPlex has been tested for up to 6 cycles with no adverse effects. We don't expect there to be issues with increasing the number of cycles, but we suggest testing with controls for adequate comparisons. We recommend running experiments to confirm that the use of more cycles does not impact the antigenicity or tissue morphology.

Can VectaPlex be used on an autostainer?

Yes. We have validated this product for use on automated systems.

Does VectaPlex work for all species of antibodies?

VectaPlex has been tested with mouse and rabbit primaries, and with horse and goat secondaries. We expect it to work well with other species of antibodies as well.

Does VectaPlex work on different tissue types?

VectaPlex has been tested on and works well with various FFPE tissues, including FFPE breast and lung tissue which are very delicate.

Is VectaPlex compatible with all antibodies?

VectaPlex has been tested on more than 30 common antibodies and has worked on them without issue.

In an IF protocol, will the VectaPlex Antibody Removal Kit also strip the autofluorescence from the tissue?

VectaPlex does not reduce autofluorescence background. Vector's TrueVIEW Autofluorescence Quenching Kits (SP-8400-15, SP-8500-15) effectively diminish unwanted autofluorescence from non-lipofuscin sources.

Is there a protocol for removal of coverslips between VectaPlex cycles when performing IF?

We recommend using VECTASHIELD® Plus Antifade Mounting Media with DAPI (H-2000), which is an aqueous non-hardening mounting medium. After each imaging cycle, the coverslip can be easily removed by incubating in PBS and the residual VECTASHIELD is removed with a PBS wash.

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6737 Mowry Avenue, Newark CA 94560
customerservice@vectorlabs.com
vectorlabs.com