



Cytomegalovirus (CMV), IHC-Paraffin Staining Report

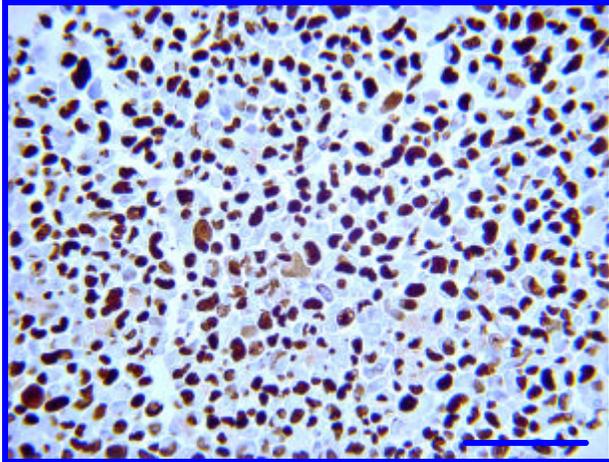
Target Antigen:	Cytomegalovirus (CMV)
Catalog or ID #:	IHC2017
Host and Isotype:	Mouse IgG1 κ
Clone and Lot #:	8B1.2
Purity and Method:	N/A
Concentration and Quantity:	Prediluted
Storage Conditions:	2-4.0°C refrigerated
Species Reactivity:	Human. Reactivity with other species has not been determined
IHC-Paraffin Fixation Tested:	10% neutral Buffered Formalin/ acetone-fixed cultured cells.
IHC-Paraffin Titer:	N/A
IHC-Paraffin Pretreatment(s):	Heat Induced Epitope Retrieval (HIER): Recommend no HIER, or Citrate pH 6.0 or TE Buffer pH 9.0. A higher density is achieved with EDTA pH 8.0 but a higher background is also seen.
IHC-Paraffin Protocol:	IHC-Select, HRP-DAB (Brief Outline): Blocking Reagent for 5 min. Primary Antibody (or Negative Control Reagent) for 10 min. Biotinylated Secondary Antibody for 10 min. Streptavidin-HRP for 10 min. DAB for 10 min. Hematoxylin for 1 min.
Positive Tissue(s):	Cytomegalovirus infected lung or Formalin-fixed MRC5 cells.
Subcellular Location(s):	Reacts with CMV matrix proteins, capsid proteins and membrane. Nuclear staining.
Negative Tissue(s):	Non-infected tissue or non-infected cell culture
Comments and References:	Staining is as expected since specific immunoreactivity was restricted to the nucleus of MRC5- cytospin Cytomegalovirus infected cells.



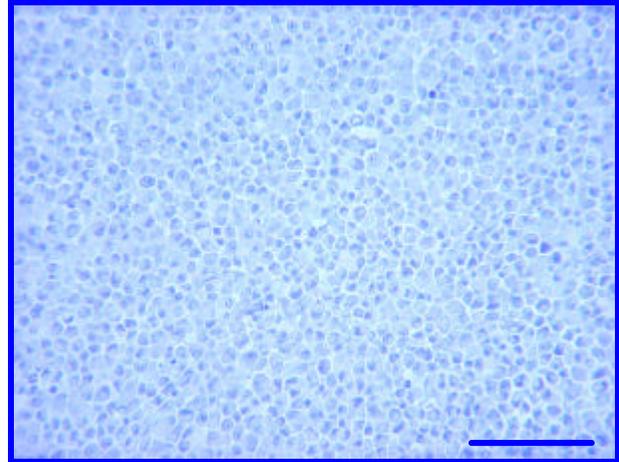
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IHC – Paraffin Staining Examples:

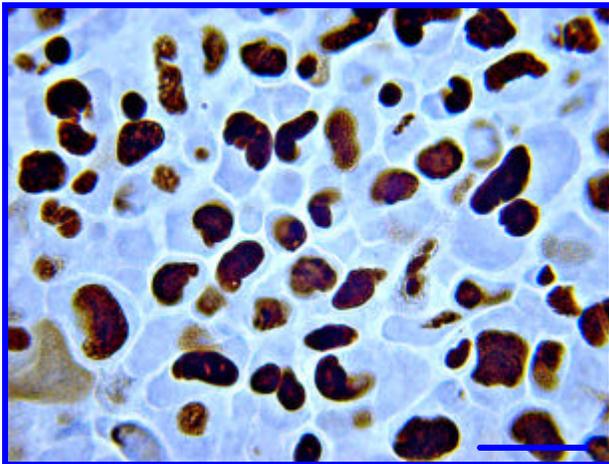
Pictures of Optimal Staining Without Epitope Retrieval: MRC5 Cytospin Cells



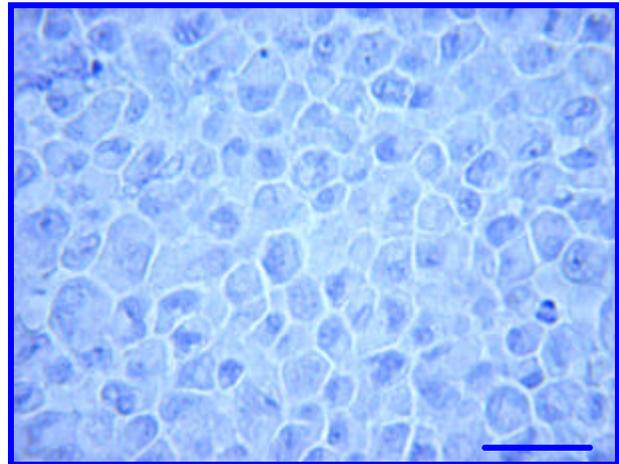
CMV (IHC2017) staining of CMV-positive cytopsin. Tissue without Epitope retrieval. Prediluted antibody, IHC-Select Detection with HRP-DAB. MRC5 infected cells stain strongly (brown). Bar = 100 μ m.



CMV (IHC2017) staining of CMV-negative cytopsin. Tissue without Epitope retrieval. Prediluted antibody, IHC-Select Detection with HRP-DAB. No signal detected. Bar = 100 μ m.



CMV (IHC2017) staining of CMV-positive cytopsin. Tissue without Epitope retrieval. Prediluted antibody, IHC-Select Detection with HRP-DAB. MRC5 infected cells stain strongly (brown). Bar = 25 μ m.



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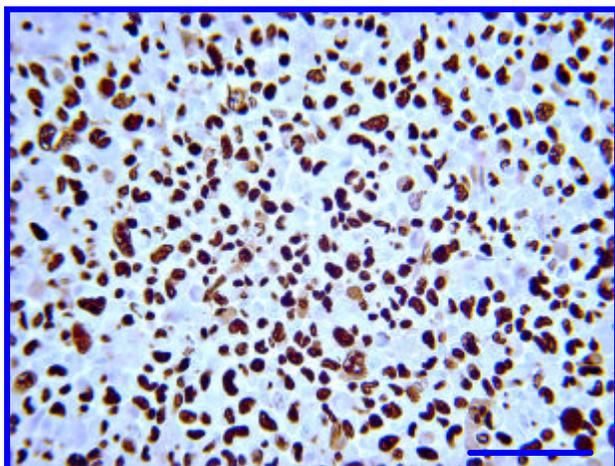


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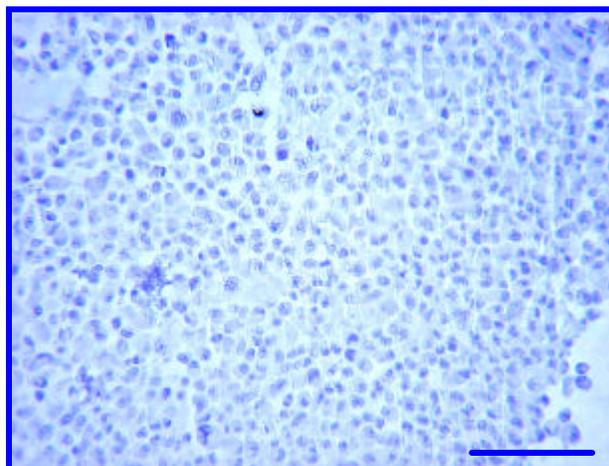
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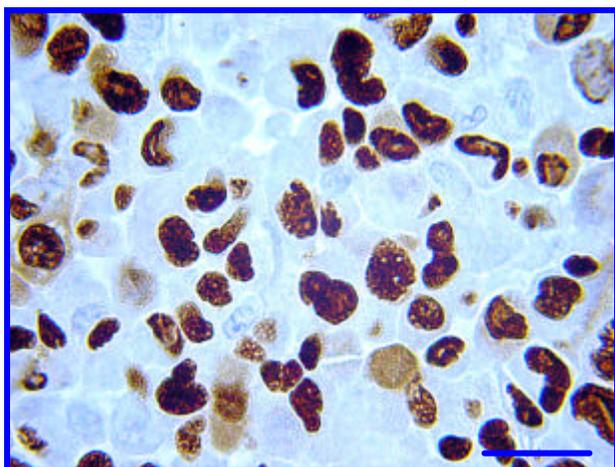
Pictures of Optimal Staining With Citrate Buffer Epitope Retrieval: MRC5 Cytospin Cells



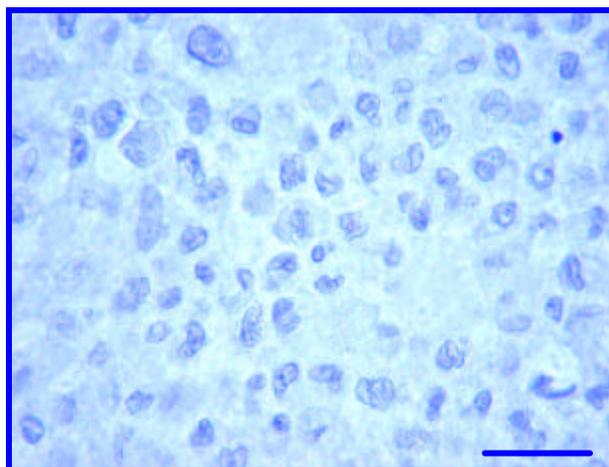
CMV (IHC2017) staining of CMV-positive cytopsin. Tissue pretreated with Citrate Buffer, pH 6.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. MRC5 infected cells stain strongly (brown). Bar = 100 μ m.



CMV (IHC2017) staining of CMV-negative cytopsin. Tissue pretreated with Citrate Buffer, pH 6.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. No signal detected. Bar = 100 μ m.



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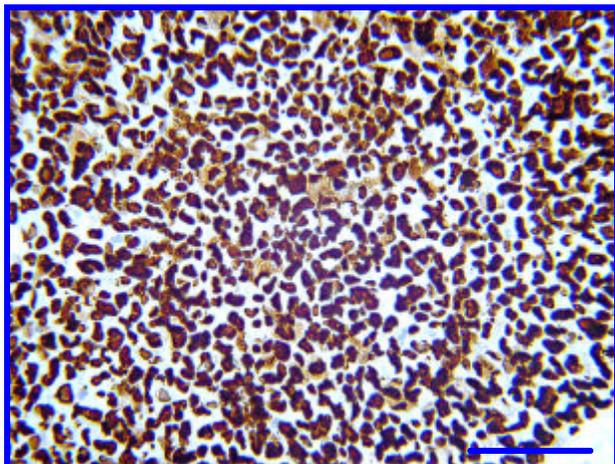
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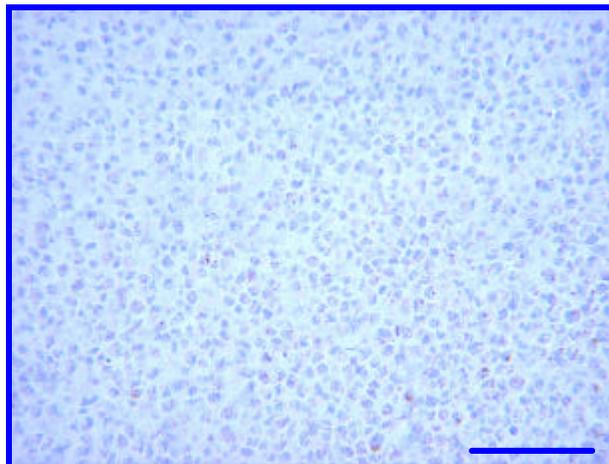
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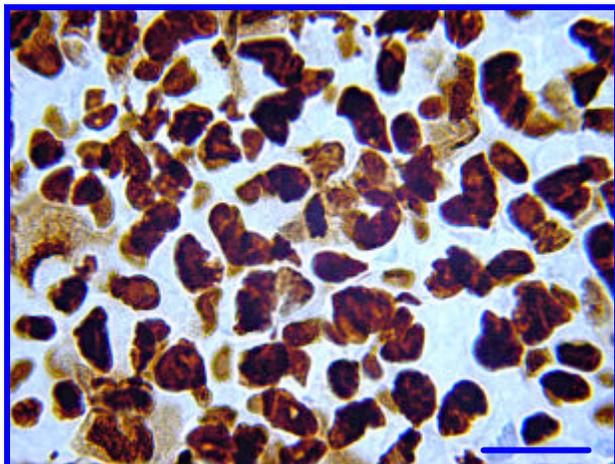
Pictures of Over Staining With EDTA Epitope Retrieval: MRC5 Cytospin Cells



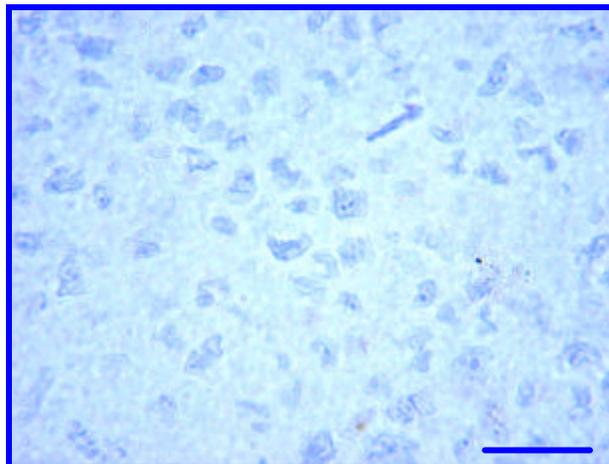
CMV (IHC2017) staining of CMV-positive cytopsin. Tissue pretreated with EDTA, pH 8.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. MRC5 infected cells stain strongly (brown). Bar = 100 μ m.



CMV (IHC2017) staining of CMV-negative cytopsin. Tissue pretreated with EDTA, pH 8.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. No signal detected. Bar = 25 μ m.



CMV (IHC2017) staining of CMV-positive cytopsin. Tissue pretreated with EDTA, pH 8.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. MRC5 infected cells stain strongly (brown). Bar = 25 μ m.



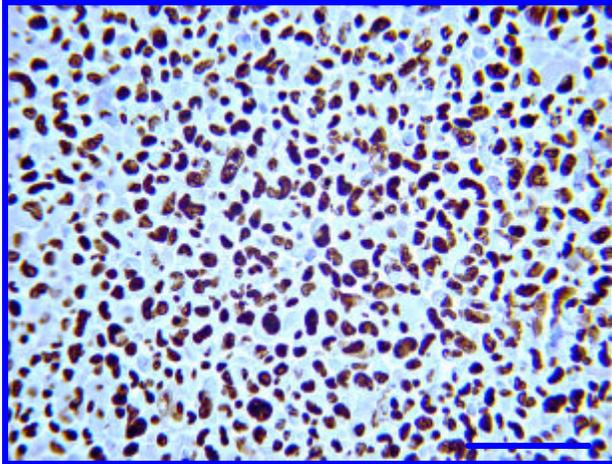
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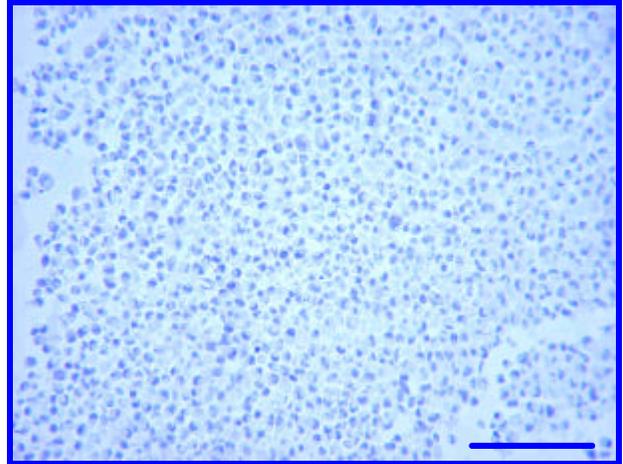
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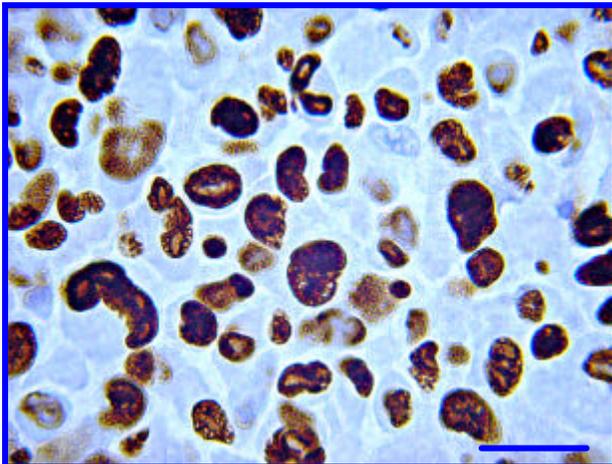
Pictures of Over Staining With TE Buffer Epitope Retrieval: MRC5 Cytospin Cells



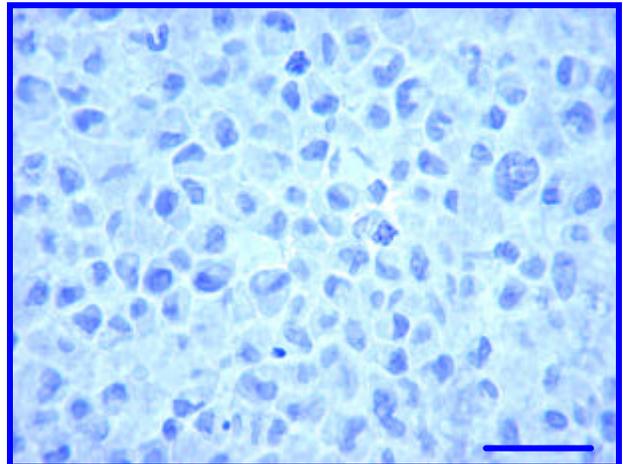
CMV (IHC2017) staining of CMV-positive cytopsin. Tissue pretreated with TE Buffer, pH 9.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. MRC5 infected cells stain strongly (brown). Bar = 100 μ m.



CMV (IHC2017) staining of CMV-negative cytopsin. Tissue pretreated with TE Buffer, pH 9.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. No signal detected. Bar = 100 μ m.



CMV (IHC2017) staining of CMV-positive cytopsin. Tissue pretreated with TE Buffer, pH 9.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. MRC5 infected cells stain strongly (brown). Bar = 25 μ m.



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