

# INDEX

## A

- Air-liquid interface .....5, 50, 64, 68, 70
- differentiated cultures ..... 5, 50, 64, 65, 70, 72, 169
- HeLa cells..... 50, 53, 56, 58, 72, 73, 102, 116, 117, 136, 144, 150, 153, 165, 166, 169, 174, 177-179, 182, 184, 185, 187
- human airway epithelium .....63-70
- MRC-5.....72, 73, 75, 76, 79, 153, 165, 169
- suspension culture.....50, 52, 55-58, 77, 102, 113, 114, 116, 166
- Autocorrelation analysis ..... 83-85, 90-98

## C

- Capillary electrophoresis.....13, 19, 20, 88, 101-125
- Cell culture ..... 4, 12, 26, 40, 50, 56, 64, 72, 73, 75, 77, 113, 114, 116, 123, 136, 153, 183-184

## D

- Diffusion coefficient..... 85, 86, 88-90, 93-95, 97, 98
- Drug/s .....65
- development ..... 131, 139
- groups .....3, 4
- intercalating .....4
- reactivity .....4, 5
- sensitivity .....4
- virus-drug complexes .....4

## E

- Electron microscopy .....101-125
- Electrophoresis ..... 172, 174, 176, 177
- Electrophoretic mobility..... 5, 101-125

## F

- Fluorescence correlation spectroscopy (FCS) ..... 68, 83-99

## G

- Gas phase .....101-125

## I

- Infectivity assays
- end-point dilution .....72, 77
- PFU.....50, 51, 56, 77-78, 80, 117, 166
- plaque assay .....4, 72-74, 77-80, 166, 167
- TCID50 .....72, 75-77, 117, 118, 178
- In vitro transcription .....154, 157, 163, 172, 174, 177, 178

## P

- Picornavirus.....1-3, 6, 26, 49, 71, 131, 136, 137, 171
- Polymerase chain reaction (PCR)
- nucleic acid isolation..... 17, 18
- quantitative RT-PCR .....26, 36
- reverse transcription (RT)-PCR..... 12, 14-22, 40-43
- Positive strand RNA..... 11, 171
- 5'UTR ..... 9, 40, 44
- VP4/VP2 .....2, 40, 44
- Proteases..... 11, 129-139
- 2A protease..... 9, 171-173, 179
- 3C protease..... 171, 172
- HRV16 3C protease ..... 143-148
- in vitro protease activity assays..... 143-148
- subcellular localization ..... 135, 136

## R

- Receptor .....2-7, 50, 52, 83-98, 101-103, 108, 109, 111, 130, 139, 169, 181, 182
- Reverse genetics.....149-169
- full-length infectious cDNA clone ..... 150, 153-154, 162-165
- reverse genetic engineering..... 171-180
- Rhinovirus classification
- genotypes..... 2, 6, 7, 39-47
- HRV-A2..... 86, 88, 92, 93, 97, 102, 103, 105-108, 112-125
- HRV type ..... 39, 101, 102
- major group ..... 101, 181, 182
- minor group.....4, 90, 101, 181, 182

Rhinovirus classification ( <i>cont.</i> )	
molecular analysis .....	119–120
serotype.....	11, 12, 26, 27, 33, 39, 49, 50, 52, 63, 81, 102, 129, 131–133, 136, 139, 143, 144, 155, 169, 171–180, 182
species.....	1–8, 11, 26, 39, 41, 63, 71, 84, 85, 94, 182
Rhinovirus culture .....	49–59
high-titer virus stock .....	52
Rhinovirus detection	
molecular typing.....	29, 31–33
multiplex PCR.....	11–23
nested-PCR.....	11–23
virus taxonomy.....	1–8
Rhinovirus–host cell interaction	
disruption of nuclear transport .....	138
inhibition of cap-dependent translation .....	137
Rhinovirus immunology.....	2
Rhinovirus purification.....	49–59, 182–185
Rhinovirus uncoating .....	83–99
RNA virus .....	26, 49, 71, 143, 149, 150, 167, 177
<b>T</b>	
Transfection.....	102, 154, 163–167, 169, 174, 177–179
<b>V</b>	
Viral load.....	26, 131