Query: How may heterozygotes for CF be identified?

Method	P@1	P@3	P@5	P@10
VSR	**100**	33.33	60	60
SPECTER2	**100**	66.67	60	50
Hybrid	**100**	**100**	**80**	**70**

Sample Retrieval

…sodium in nail clippings for diagnosing cystic fibrosis (CF) in children and adults, for detecting heterozygotes and for screening in the neonatal period. Nail clippings from 1322 newborns, 22 CF patients (two of them newborns), 52 healthy controls and 22 heterozygotes were analyzed. The discrimination between CF patients and controls was found to be precise for individuals above one year of age and INAA of nail clippings should be accepted as a diagnostic test for CF after this age. Heterozygotes could not be detected…

Query: How effective is bronchial lavage in CF patients?

Method	P@1	P@3	P@5	P@10
VSR	**100**	66.67	60	50
SPECTER2	**100**	66.67	60	40
Hybrid	**100**	**100**	**80**	**70**

Sample Retrieval

In an attempt to retard deterioration of pulmonary function, a young man with cystic fibrosis underwent broncho-pulmonary lavage of an entire lung. In spite of theoretical advantages, the lavage produced an acute deterioration in the patient's clinical and physiologic status, from which he had not recovered one month later. We conclude that bronchopulmonary lavage in cystic fibrosis may be hazardous and should be reserved for those cases in which conventional methods of improving tracheobronchial clearance have failed.

Query: Do fibroblasts from CF patients grow at a normal rate?

Method	P@1	P@3	P@5	P@10
VSR	0	0	20	20
SPECTER2	**100**	33.33	40	50
Hybrid	**100**	**66.67**	**80**	**60**

Sample Retrieval

This paper analyzes the cell cycle of cystic fibrosis-derived fibroblasts and statistically demonstrates their failure to support a normal population doubling time in vitro and indicates that this is due largely to a failure of the cystic fibrosis-derived cells to enter the cell cycle in normal numbers. We have no explanation for the significant difference in the behavior of these cells from patients with cystic fibrosis vis-a-vis either normal or disease control fibroblasts, save to conclude that it proceeds from an intrinsic property of the cells themselves.

Query: What is the prognosis for patients who have had an episode of respiratory failure?

Method	P@1	P@3	P@5	P@10
VSR	0	33.33	**40**	40
SPECTER2	0	0	20	20
Hybrid	**100**	**66.67**	**40**	**60**

Sample Retrieval

The diagnosis, management and prognosis of 17 infants with cystic fibrosis (CF) and severe respiratory disease were reviewed for the period 1968 to 1972. The clinical course of these infants was characterized by a bronchiolitis-like syndrome with failure to thrive and malnutrition… Despite vigorous therapy including antibiotics there was a 60% mortality. A delay in the diagnosis of CF from the onset of respiratory symptoms with a mean of six weeks was considered an important factor affecting survival. This data supports the need for developing a reliable screen test for CF at birth.