Chemicals for KODAK PROFESSIONAL Black-and-White Films																	
	KODAK PROFESSIONAL Film																
	ООТМХ	ООТМУ	P3200 / P3200TMZ	125PX	OTX	ОТХР	ne Grain			er	d Concentrate	Available		Keeping Properties Without Use		Useful Capacity	
KODAK PROFESSIONAL Chemicals	T-MAX 100 / 100TMX	T-MAX 400 / 400TMY	T-MAX P3200	PLUS-X 125 / 125PX	TRI-X 400 / 400TX	TRI-X 320 / 320TXP	EASTMAN Fine Positive 5302	Typical Dilution (stock or concentrate: water)	Solution Temperature/ Time Range	Packaged Powder	Packaged Liquid Concentrate	Replenisher Av	For Use In	Stock or Concentrate Solution in Closed Container (Full)	Working Solution in Tray/Tank	8 x 10 Sheets per Gal/L in a Tray	Tank
DEVELOPER																	
Developer D-76	~	1	~	~	1	~	~	full strength 1:1		~		1	small or large tank, tray, rotary-tube, rack- and-tank	6 months NA	24 hours/1 month 24 hours/NR	16/4	16/4*
T-MAX Developer	✓	~	✓	<b>✓</b>	1	<b>√</b>		1:4	ock (working strength)  65 to 75°F (18 to 24°C) See instruc-		1		small or large tank, rotary-tube	6 months	NR/1 month	8/2	8/2
T-MAX RS Developer and Replenisher	<b>√</b>	1	1	1	1	<b>√</b>		stock (working strength)			<b>~</b>	1	small or large tank, tray, rotary-tube, rack- and-tank	Indefinite (conc) 6 months (work- ing tank sol)	24 hours/1 month	NR	16/4*
XTOL Developer	1	~	✓	~	1	✓		full strength 1:1  1:3 (A) 1:7 (B) from stock solution		<b>✓</b>		1	small or large tank, tray, rotary-tube	6 months	24 hours/2 months	19/5	19/5
HC-110 Developer Dilution A Dilution B	1	<b>~</b>	1	1	1	<b>~</b>					1	1	small or large tank, tray, rotary-tube, rack- and-tank	6 months (stock)	24 hrs/1 month (A) 12 hrs/2weeks (B)	20/5 (A) 10/2.5 (B)	40/10 (A)* 20/5 (B)*
Developer D-19								full strength		✓			large tank, tray	6 months	24 hours/1 month	45/12	60/16*
DURAFLO RT Developer Replenisher	1	~	~	~	~	~		See instructions packaged with Part B	80 ?0.5°F (26.5 ?0.3C)		✓	1	roller transport	6 weeks (replenisher tank with cover)	6 weeks for replen- isher in tank	NA	NA
STOP BATH																	
Indicator Stop Bath	✓	✓	1	✓	1	~	~	1:63	65 to 70°F (18 to 21C) 30 seconds		1		small or large tank, tray, rotary-tube	Indefinite	3 days/1 month	changes to	hen color purplish/ ue
FIXERS																<u> </u>	
Rapid Fixer	✓	✓	✓	✓	<b>√</b>	✓	<b>✓</b>	1:3 plus Part B (hardener)	65 to 70°F (18 to 21°C)		<b>✓</b>		tanks, tray, machine	Indefinite	1 week/1 month	120/32	120/32
Fixer	✓	<b>✓</b>	✓	<b>✓</b>	1	✓	<b>✓</b>	working strength see package	2 to 10 minutes depending on film and fixer	✓			small or large tank, tray, rotary-tube	2 months	1 week/1 month	100/26	100/26
KODAFIX Solution	✓	<b>✓</b>	✓	<b>~</b>	✓	✓	<b>✓</b>	1:3	combination		<b>′</b>		small or large tank, tray, rotary-tube	Indefinite	1 week/1 month	120/32	120/32
WASHING AID																	
Hypo Clearing Agent	✓	✓	1	✓	1	1	<b>✓</b>	1:4 from stock solution	65 to 70°F (18 to 21C) 1 to 2 minutes	1			small or large tank, tray, rotary-tube, rack-and-tank	3 months	24 hours/1 month	prerinse;	15) without 150-200 th pre-rinse
DRYING AID																	
PHOTO-FLO Solution 200	<b>√</b>	<b>√</b>	1	<b>✓</b>	1	<b>✓</b>	~	1:200	65 to 70°F (18 to 21C) 30 seconds		~		small or large tank, tray, rack-and-tank	Indefinite	Indefinite†	_	_
* Useful capacity can be increased by replenishment.  † Keeping properties will vary depending on conditions of use.							use.	NA = Not applica	ble	NR = Not re	commended						

Useful capacity can be increased by replenishment.

<sup>†</sup> Keeping properties will vary depending on conditions of use.

KODAK PROFESSIONAL Chemical	Description
Developer D-76†	<ul> <li>For general use</li> <li>Yields full emulsion speed and good shadow detail with normal contrast</li> <li>Moderately fine grain, excellent development latitude</li> <li>Replenish with KODAK PROFESSIONAL Replenisher D-76R</li> <li>For normal or push processing</li> </ul>
T-MAX Developer	<ul> <li>Designed for non-replenished systems</li> <li>Produces enhanced shadow detail</li> <li>For use with roll films only</li> <li>For normal or push processing</li> </ul>
T-MAX RS Developer and Replenisher*	Recommended for replenished systems     Produces enhanced shadow detail     For normal or push processing of roll and sheet films
XTOL Developer	Suitable for most professional black-and-white films Ascorbic acid developer Very high image quality at full emulsion speed Convenient, room-temperature mixing Stable performance through a range of temperatures, dilutions, and agitation methods Fine grain and high sharpness Provides more emulsion speed (shadow detail) than most developers for normal and push processing

KODAK PROFESSIONAL Chemical	Description
HC-110 Developer	Extremely versatile     Can be used in both replenished and nonreplenished systems     Replenish with KODAK PROFESSIONAL HC-110 Developer Replenisher     For normal or push processing
Developer D-19	<ul> <li>High capacity, clean working, fast acting</li> <li>Provides higher than normal contrast and speed, higher than average graininess</li> </ul>
DURAFLO RT Developer Replenisher	<ul> <li>Designed for roller-transport processors</li> <li>Replenished system</li> <li>Produces fine grain</li> <li>Long storage life</li> <li>Good sheet-film transport</li> </ul>
STOP BATHS	
Indicator Stop Bath	<ul> <li>Non-hardening, general-purpose stop bath for use with films and papers</li> <li>Contains an indicator to signal exhaustion</li> <li>Dilute 1 part concentrate with 63 parts water</li> </ul>
FIXERS	
Rapid Fixer	<ul> <li>A fast-acting hardening fixer</li> <li>For machine, tray, or tank</li> <li>processing</li> <li>Consists of two liquid concentrates: Solution A (the fixer concentrate) and Solution B (the hardener concentrate)</li> <li>For use with film and paper</li> </ul>
Fixer	<ul><li>A general-purpose hardening fixer for films and papers</li><li>Mixes to working strength</li></ul>

KODAK PROFESSIONAL Chemical	Description				
KODAFIX Solution	<ul> <li>General-purpose, single-solution hardening fixer for films and papers</li> <li>Long life, high capacity</li> <li>Dilute 1 part concentrate to 3 parts water for use with film; 1 part concentrate to 7 parts water for use with paper</li> </ul>				
WASHING AID					
Hypo Clearing Agent	<ul> <li>Promotes removal of fixer from films and fiber-base papers to shorten wash times and make washing at lower wash-water temperatures practical</li> <li>Dilute 1 part stock solution to 4 parts water</li> </ul>				
DRYING AID					
PHOTO-FLO 200 Solution	Decreases water-surface tension     Minimizes water marks and streaks on film     Promotes faster, more uniform drying				
DIRECT POSITIVE OUTFIT					
T-MAX 100 Direct Positive Film Developing Outfit	Produces positive black-and-white slides from KODAK PROFESSIONAL T-MAX 100 Film For use in small or large tanks and rotarytube processors  Produces positive black-and-white processors				

\* Use the mixed solution as a working tank solution or a replenisher.

Note: To obtain consistent results from KODAK powdered chemicals, mix the full volume marked on the package. Kodak Alaris supplies powdered photographic chemicals in a variety of sizes that make it easy to choose the volume you need. Therefore, we do not recommend mixing smaller-than-package-size amounts of powdered KODAK Processing Chemicals.

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TM/MC/MR: D-76, Duraflo, HC-110, Photo-Flo, T-Max, Xtol

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<sup>†</sup> For greater sharpness, you can use this developer diluted 1:1. Using the diluted developer requires longer development times, which may result in a slight increase in graininess.